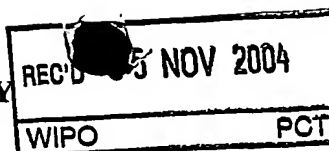


10 Rec'd PCT/PTG 07 JAN 2005

COPY FOR IB

PATENT COOPERATION TREATY

PCT



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)



Applicant's or agent's file reference F-235-PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/KR2003/001334	International filing date (day/month/year) 08 JULY 2003 (08.07.2003)	Priority date (day/month/year) 09 JULY 2002 (09.07.2002)
International Patent Classification (IPC) or national classification and IPC IPC7 A61F 5/41		
Applicant BYON, KYUNG-SAM		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.
- ☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 11 JULY 2003 (11.07.2003)	Date of completion of this report 26 OCTOBER 2004 (26.10.2004)
Name and mailing address of the IPEA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer LEE, Sun Kuk Telephone No. 82-42-481-5587 

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/KR2003/001334

I. Basis of the report

1. With regard to the elements of the international application:*

☒ the international application as originally filed☒ the description:

pages 1-15, as originally filed
pages NONE, filed with the demand
pages NONE, filed with the letter of _____

☒ the claims:

pages 16-17, as originally filed
pages NONE, as amended (together with any statement) under Article 19
pages NONE, filed with the demand
pages NONE, filed with the letter of _____

☒ the drawings:

pages 1-2, as originally filed
pages NONE, filed with the demand
pages NONE, filed with the letter of _____

☒ the sequence listing part of the description:

pages NONE, as originally filed
pages NONE, filed with the demand
pages NONE, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language English which is

☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).☒ the language of publication of the international application (under Rule 48.3(b)).☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.☐ filed together with the international application in computer readable form.☐ furnished subsequently to this Authority in written form.☐ furnished subsequently to this Authority in computer readable form.☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.4. ☒ The amendments have resulted in the cancellation of:☒ the description, pages NONE☒ the claims, Nos. NONE☒ the drawings, sheet NONE5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as "originally filed." and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION

International application No.

PCT/KR2003/001334

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-3	YES
	Claims	NONE	NO
Inventive step (IS)	Claims	1-3	YES
	Claims	NONE	NO
Industrial applicability (IA)	Claims	1-3	YES
	Claims	NONE	NO

2. Citations and explanations (Rule 70.7)

1. Reference is made to the following documents;

D1 : US 5 462 514 A

D2 : US 4 856 499 A

2. The present invention claimed in claims 1-3 relates to an electronic penile aneurysm enhancer. The enhancer invigorates the blood flow movement of sponge body of penile by electronical performing expansion and contraction movement of penile muscle. More specifically, the enhancer according to the present invention claimed in claims 1-3 comprises a body portion(2); a piston pumping portion(6) provided inside the body portion for pumping to move air through an inlet valve port(12) and an outlet valve port(14); a first electronic three way valve(10) connected to the inlet valve port(12) of the piston pumping portion(6) for converting flow path so as to suck air in; and a second electronic three way valve(20) connected to the outlet valve port(14) of the piston pumping portion(6) for converting flow path of the sucked-in air, wherein the penile/male member is expanded and contracted by the first and second electronic three way valve(10, 20). The enhancer also comprises a circular enhancing tube(30) having a penile insertion hole(42) and a penile sealing section(40) for expanding and contracting the penis by operating the first and second electronic three way valve(10, 20), and a central control section for controlling the first electronic three way valve(10), the second electronic three way valve(20) and the piston pumping portion(6).

3. D1 discloses an apparatus for aiding erection in men comprising an open tubular vacuum cylinder sufficiently large to contain an erect male penis and an integrally mounted electrically powered vacuum generating unit which mounts to an end of said cylinder and supplies a limited vacuum at a relatively high leakage rate and a large,

(Continued in Supplemental Box)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/KR2003/001334

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of:

Box No. V

sensitives, vacuum controlling valve which may be used to accurately limit the vacuum produced by the vacuum generating unit to a point safe for an user.

D2 shows a surgical device to help promote an erection of the male penis. This device includes a vacuum chamber which is fitted over the penis to induce the flow of blood into the genital organ, thereby causing an erection.

4. Documents D1 and D2, cited in the International Search Report, do not disclose the electronic penile aneurysm enhancer according to the present invention claimed in claims 1-3. They are thus not considered to be of particular relevance in respect of the present invention.

5. Consequently, the subject matter of claims 1-3 is considered to be novel(Article 33(2)). And it is not considered to be obvious to a person skilled in the art to apply the knowledge of these documents, taken individually or in combination, for creating an electronic penile aneurysm enhancer according to the present invention claimed in claims 1-3. Therefore, the present invention is considered to involve an inventive step.(Article 33(3))

6. All claims are considered to be industrially applicable.(Article 33(4))